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PTO/SB/05 (03-01)
Approved for use through 10/31/2002. OMB 0651-0032
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**UTILITY
PATENT APPLICATION
TRANSMITTAL**
(Only for new nonprovisional applications
under 37 CFR 1.53(b))

Attorney Docket No.	66638-42199
First Inventor	Slaughter, Victor Blakemore
Title	METHOD AND APPARATUS FOR MONITORING SATURATION LEVELS OF SOLVENTS USED DURING RAPID PROTOTYPING PROCESSES
Express Mail Label No.	EV328618193US

APPLICATION ELEMENTS

See MPEP chapter 600 concerning utility patent application contents.

ADDRESS TO:

Commissioner for Patents
Mail Stop Patent Application
P.O. Box 1450
Alexandria, VA 22313-1450

1. ☐ Applicant claims small entity status.
See 37 CFR 1.27.
2. ☒ Specification [Total Pages No. 24]
(preferred arrangement set forth below)
 - ☒ Descriptive title of the invention
 - ☐ Cross Reference to Related Applications
 - ☐ Statement Regarding Fed sponsored R & D
 - ☐ Reference to sequence listing, a table, or a computer program listing appendix
 - ☒ Background of the Invention
 - ☒ Brief Summary of the Invention
 - ☒ Brief Description of the Drawings (if filed)
 - ☒ Detailed Description
 - ☒ Claim(s)
 - ☒ Abstract of the Disclosure
3. ☒ Drawing(s) (35 U.S.C. 113) [Total Sheets No. 3]
4. Oath or Declaration [Total Pages No. 2]
 - a. ☒ Newly executed (original or copy)
 - b. ☐ Unexecuted
 - b. ☐ Copy from a prior application (37 CFR 1.63 (d))
(for continuation/divisional with Box 18 completed)
 - i. ☐ **DELETION OF INVENTOR(S)**
Signed statement attached deleting inventor(s) named in the prior application, see 37 CFR 1.63(d)(2) and 1.33(b).

5. ☐ CD-ROM or CD-R in duplicate, large table or Computer Program (Appendix)
6. Nucleotide and/or Amino Acid Sequence Submission (if applicable, all necessary)
 - a. ☐ Computer Readable Form (CRF)
 - b. Specification Sequence Listing on:
 - i. ☐ CD-ROM or CD-R (2 copies); or
 - ii. ☐ paper
 - c. ☐ Statements verifying identify of above copies

ACCOMPANYING APPLICATION PARTS

7. ☒ Assignment Papers (cover sheet & document(s))
8. ☐ 37 CFR 3.73(b) Statement ☒ Power of Attorney
(when there is an assignee)
9. ☐ English Translation Document (if applicable)
10. ☐ Information Disclosure Statement (IDS)/PTO-1449 ☐ Copies of IDS Citations
11. ☐ Preliminary Amendment
12. ☒ Return Receipt Postcard (MPEP 503)
(Should be specifically itemized)
13. ☐ Certified Copy of Priority Document(s)
(if foreign priority is claimed)
14. ☐ Nonpublication Request under 35 U.S.C. 122
(b)(2)(B)(i). Applicant must attach form PTO/SB/35 or its equivalent.
15. ☒ Certificate of Express Mailing
16. ☒ Other: Checks for \$874 and \$40 for filing fees

17. If a CONTINUING APPLICATION, check appropriate box, and supply the requisite information below and in a preliminary amendment, or in an Application Data Sheet under 37 CFR 1.76:

☐ Continuation ☐ Divisional ☐ Continuation-in-part (CIP)
Prior application information: Examiner _____

of prior application No.: _____
Group Art Unit: _____

For CONTINUATION OR DIVISIONAL APPS only: The entire disclosure of the prior application, from which an oath or declaration is supplied under Box 5b, is considered a part of the disclosure of the accompanying continuation or divisional application and is hereby incorporated by reference. The incorporation can only be relied upon when a portion has been inadvertently omitted from the submitted application parts.

18. CORRESPONDENCE ADDRESS

<input type="checkbox"/> Customer Number or Bar Code Label	 21888 PATENT TRADEMARK OFFICE	or <input checked="" type="checkbox"/> Correspondence address below	
Name	Clyde L. Smith	Registration No. (Attorney/Agent)	46,292
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Burden Hour Statement: This form is estimated to take 0.2 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: ASSISTANT COMMISSIONER for Patents, Box Patent Application, Washington, DC 20231.



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PATENT APPLICATION FEE DETERMINATION RECORD

Application or Docket Number

66638-42199

CLAIMS AS FILED - PART I			SMALL ENTITY		OR OTHER THAN SMALL ENTITY	
FOR	(Column 1) NUMBER FILED	(Column 2) NUMBER EXTRA	RATE	FEE	RATE	FEE
BASIC FEE (37 CFR 1.16(a))				\$ 0		\$ 770.00
TOTAL CLAIMS (37 CFR 1.16(c))	21 minus 20 =	* 1	x \$	=	x \$	18.00
INDEPENDENT CLAIMS (37 CFR 1.16(b))	4 minus 3 =	* 1	x \$	= 0.00	x \$	86.00
MULTIPLE DEPENDENT CLAIM PRESENT (37 CFR 1.16(d))			+ \$	= 0.00	+ \$	0.00=
* If the difference in column 1 is less than zero, enter "0" in column 2			TOTAL		TOTAL \$ 874.00	

- ☒ A check in the amount of \$874.00 is attached.
- ☒ The Commissioner is hereby authorized to charge and credit Deposit Account No. 20-0823 as described below. A duplicate copy of this sheet is enclosed.
- ☐ Charge the amount of _____ for the patent filing fee.
- ☒ Credit any overpayment.
- ☒ Charge any additional fee required.

Signature

Dated: April 15, 2004

Clyde L. Smith, Reg. # 46,292
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One US Bank Plaza
St. Louis, Missouri 63101
314-552-6338
314-552-7338 FAX



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PATENT TRADEMARK OFFICE

I certify that the document and fee is being deposited on April 15, 2004 with the U.S. Postal Service as Express Mail under 37 CFR 1.10 and is addressed to the Mail Stop PATENT APPLICATION, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

Express Mail No. EV328618193US

Signature of Person Mailing Correspondence

Clyde L. Smith

Typed or Printed Name of Person Mailing Correspondence